



02-11-08

IFW/1633

EXPRESS MAIL CERTIFICATE

"Express Mail" Label No. : EV 740 532 219 US

Serial No. : 10/583,812

Applicant(s) : Richard K. Cooper et al.

Filing Date : June 22, 2006

Title : Gene Therapy Using Transposon-Based Vectors

Examiner : Unknown

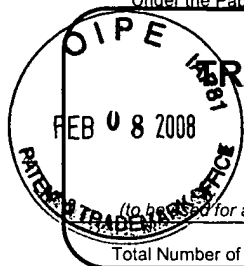
Art Unit : 1633

Type of Document(s) : Express Mail Certificate;
Transmittal Form;
Notification of Defective Response received from the PTO;
Response to the Notification of Defective Response;
Submission of Sequence Listing Under 37 CFR § 1.821;
Sequence Listing on Diskette; and
Return Postcard

I hereby certify that the documents identified above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and are addressed to Mail Stop Sequence, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Debbie K. Cooke (signature)
Debbie K. Cooke

Date Mailed: February 8, 2008



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/583,812
Filing Date	June 22, 2006
First Named Inventor	Richard K. Cooper et al.
Art Unit	1633
Examiner Name	Unknown
Attorney Docket Number	51687-331126

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD <input type="checkbox"/> Remarks	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): See Remarks
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Kilpatrick Stockton LLP		
Signature			
Printed name	Cynthia B. Rothschild		
Date	February 8, 2008	Reg. No.	47,040

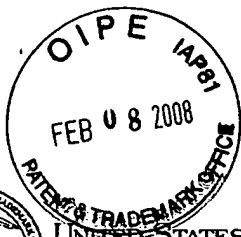
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/583,812	Richard K. Cooper	51687-0261 (331126)

23370

JOHN S. PRATT, ESQ
KILPATRICK STOCKTON, LLP
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ATLANTA, GA 30309

INTERNATIONAL APPLICATION NO.

PCT/US04/43092

I.A. FILING DATE	PRIORITY DATE
12/24/2004	12/24/2003

CONFIRMATION NO. 4921
371 FORMALITIES LETTER



Date Mailed: 01/10/2008

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 06/22/2006
- Copy of the International Search Report filed on 06/22/2006
- Preliminary Amendments filed on 06/22/2006
- Information Disclosure Statements filed on 07/31/2006
- Oath or Declaration filed on 06/22/2006
- Biochemical Sequence Listing filed on 06/22/2006
- Small Entity Statement filed on 06/22/2006
- U.S. Basic National Fees filed on 06/22/2006
- Priority Documents filed on 06/22/2006
- Specification filed on 06/22/2006
- Claims filed on 06/22/2006
- Abstracts filed on 06/22/2006
- Drawings filed on 06/22/2006
- Paper nucleotide sequence listings filed on 06/22/2006

Applicant's response filed 05/14/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/12/2007 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR

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RCVD JAN 14 '08

1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Richard K. Cooper)	
)	Art Unit: 1633
Serial No. 10/583,812)	
)	Examiner: Unknown
Filing Date: June 22, 2006)	
)	
For: Gene Therapy Using Transposon Based)	
Vectors)	


RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE

Mail Stop Sequence Listing
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In response to the Notification of Defective Response, applicants submit herewith a second copy of the initial diskette which contains the computer readable form (CRF) of the Sequence Listing shown on the paper copy. The CRF Sequence Listing is identical to the paper copy originally filed on May 14, 2007 and contains no new matter. Pursuant to 37 C.F.R. § 1.821(e), the paper copy filed on May 14, 2007, and the computer readable form of the Sequence Listing submitted herewith are the same. This sequence listing is identical to the sequence listing filed in the PCT application PCT/US2004/043092, except that SEQ ID No: 10 has no sequence associated with it as SEQ ID No: 10, as filed in the PCT case, was duplicated as SEQ ID No: 16. The specification of the present case was already amended to delete the number 10 as a SEQ ID No: in a preliminary amendment filed June 22, 2006 (page 3 of that preliminary amendment). Accordingly, no new matter is included.

Respectfully submitted,

Date: February 8, 2008


By: Cynthia B. Rothschild, Ph.D.
Reg. No. 47,040

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